



GENERAL NOTES:

This detail illustrates the construction and installation of a double unit curb intake for use with storm sewer located behind the back of curb.

All reinforcing bars shall be ASTM A 615M, Grade 400.

Precast concrete units with these dimensions may be utilized. The Contractor shall be responsible for any additional reinforcement necessary to prevent cracking during transportation and installation.

Dimensions shown hereon are for the construction of a 150-millimeter Standard Curb as a part of the pavement. Modifications may be made to conform to other curb shapes and intake designs when necessary, subject to the approval of the Engineer.

If unit is cast in place, storm sewer pipe shall be installed before intake sidewall construction is started. Sidewalls shall be constructed as indicated with openings for storm sewer pipe(s) smoothly shaped and inlet pipe(s) not projecting unnecessarily into well. Outlet pipe(s) shall not project beyond inside face of sidewall. Storm sewer pipe locations shown hereon are typical. Refer to detail project plans for exact locations.

A concrete fillet shall be placed in the bottom of the Intake approximately as indicated. Special shaping of this fillet is required to provide a smooth channel through the intake. Top surface of the fillet shall slope at a rate of approximately 12:1 (Horizontal: Vertical) toward the channel.

Insert area shall be included with the quantities for either concrete pavement or curb and gutter (only when curb and gutter is being added to existing pavement). Special shaping of insert area shall be included with price bid for intake. Concrete for insert area may be either 'Intake' or 'Pavement'. Finish of the insert area shall be the same as for the pavement. Finish of the intake top or any exposed portion shall be as required for 'Structural Concrete' in the current Standard Specifications.

Joints in pavement adjacent to intake shall be as shown on Standard Road Plans RH-50, RH-51, and RH-52. Joint locations shall be as indicated except where specifically modified by other plan drawings or by the Engineer.

Contract item is 'Intake, RA-43'.

All dimensions given in millimeters unless noted.

M	Iowa Department of Transportation	
	Highway Division	
	STANDARD ROAD PLAN	RA-43
	REVISION: Require Concrete Fillet, Corrected Minimum Length.	
	APPROVED BY DESIGN/METHODS ENGINEER <i>William J. Sten</i>	
METRIC VERSION	REVISION NO. 3	
	REVISION DATE 04-15-03	
	INTAKE (CURB, DOUBLE UNIT)	